LOWER PASSAIC RIVER STUDY AREA
PRP DATA EXTRACTION FORM

FISKE BROTHERS REFINING CO.

CURRENT MAILING ADDRESS/CONTACT INFO:

Richard T. McCluskey, President
Fiske Brothers Refining Co.
129 Lockwood Street
Newark, New Jersey 07105

(FJK000036 at Tab 8)

FACILITY ADDRESS:

Fiske Brothers Refining Co.
129 Lockwood Street
Newark, New Jersey 07105
(the "Site")

(FJK000012 at Tab 4)

FINANCIAL VIABILITY (annual revenue, # of employees):

Fiske Brothers Refining Co. ("Fiske") began operations between 1871 and 1870 by Thomas and Frederick Fiske with present managerial control succeeding in 1953. Fiske currently employs 109 individuals, including officers, and reports sales of $24,264,538 for 2004 and total assets of approximately $19,000,000. (FJK000048-50 at Tab 8; FJK000057 at Tab 10)

DATES OF OPERATION (include info. on predecessors/successors if known):

Fiske has operated at the Site from approximately 1870 to the present day. However, all manufacturing operations at the Site moved to a facility located in Toledo, Ohio as of December 1991. (FJK000048-50 at Tab 8; FJK000057 at Tab 10)

DESCRIPTION OF FACILITY OPERATIONS (list CERCLA hazardous substances used, manufactured or present):

The Fiske Site is located on Lockwood Street in Newark, New Jersey, and more particularly at a location north of Albert Avenue, south of Lister Avenue, east of Esther Street and west of Blanchard Street. (FJK000016 at Tab 7) Fiske also received tank car deliveries via a railroad spur located on the Site. (FJK000022b at Tab 7)

Fiske's operations fall under the Standard Industrial Code 2992, which is defined as the blending, compounding and re-refining of lubrication oils and greases from purchased mineral, animal and vegetable materials. (FJK000013 at Tab 5; http://www.epa.gov/tri/tridata/tri96/pdr/chap7.pdf)

Sometime prior to 1960, Fiske operated the Lubriplate Division at the Site, and manufactured Lubriplate, a "white waterproof lubricant." (FJK000054 at Tab 9) Fiske continues to operate the Lubriplate Division to this day. (FJK000059 at Tab 11)

The Lubriplate Division manufactures a variety of products, which include the following.

- Polyalphaolefin-Based Synthetic Fluids
- Synthetic High Temp Fluids (100% Ester-Based Fluids)
- Polyglycolester-Based Synthetic Compressor Fluids
- Diester-Based Synthetic Compressor Fluids
- Petroleum-Based Anti-Wear Fortified Compressor Oils
- Petroleum-Based Oil for Centrifugal Air Compressor
- Refrigeration Compressor Oils: 68-N (Naphthenic) & 68-P (Semi-Synthetic)
- NSF H-1 Registered Food Grade Refrigeration Compressor Fluid
- Petroleum-Based Heavy-Duty Hydraulic Oils (containing fluid zinc)
- Petroleum-Based Oils for Low Temperature Applications
- High Performance Synthetic Calcium Sulfonate Complex Grease
- High Performance Polyalphaolefin-Based Synthetic Greases
- Lithium Complex Greases
- Heavy-Duty General Purposes Lithium Type Grease
- Lithium-Polymer Type Viscous Non-corrosive Extreme Pressure Greases
- Tacky Aluminum Complex Type Grease
- Tacky Moly-Lithium Type Extreme Pressure Greases
- Lithium Based Multi-purpose Greases
- High Performance Aluminum Complex Type Greases
- High Temperature Bentone Type Greases
- Calcium Type Greases
- Multi-Purpose High-temperature Bentone Type Grease
- Multi-Purpose Anhydrous Calcium Based Grease for Cold Temperatures
- Lithium Polymer Type Greases for Wide Range of Temperatures

- Lithium Based Low Temperature Grease
- Anhydrous Calcium Semi-Fluid Type Lubricant
- Lithium Polymer Type High Speed Electric Motor Bearing Grease
- Polyurea-Thickened Type Grease
- Lithium Based Open Gear Grease
- Inorganic/Organic Open Gear Grease for Centralized Systems No Solvents
- Extra-Duty Anti-Wear, Rust & Oxidation Inhibited (R&O) Gear and Bearing Oils
- Heavy Duty Extreme Pressure Petroleum Based Gear Oils
- Petroleum-Based Machine Oils
- Specialty Greases (includes Lithium Greases)
- Specialty Oils & Fluids
- Synthetic Food Machinery Grade Fluids (including Polyalphaolefin and Polyalkylene Glycol based-fluids)
- Synthetic Food Machinery Grade Greases (including Calcium Sulfonate and Aluminum complex formulations)
- USP Mineral Oil-Based Food Machinery Grade Oils
- Food Machinery Oils
- USP Mineral Oil-Based Food Grade Greases
- Food Grade Spray Lubricants
- Automotive Lubricants
- Motor Oils & Transmission Fluids
- Metal Working Fluids (including sulfur and chlorine fortified oils)
- Multi-Purpose Spray Lubricants (including lubricants containing moly-disulfide and lithium products)

(FJK000058-73 at Tab 11)

Material Safety Data Sheets for certain Fiske products indicate that zinc, mineral oil, calcium soap, unspecified additives, 0-dichlorobenzene, and 1,2-dichlorobenzene (ortho) were product ingredients. (FJK000074-93 at Tab 12)

Hazardous waste removed from the Site includes corrosive waste (waste code D002), ignitable waste (waste code D001), non-halogenated solvents (waste code F003), as well as oil spill cleanup material (waste code X725). (FJK000001-2 at Tab 1)

PERMITS (provide dates):

NPDES:

NJPDES: NJG0135992 (FJK000005-6 at Tab 2)

General Permit Stormwater Basic: NJ0088315 – Provides authority to discharge stormwater until May 31, 2007. (FJK000003, FJK000006-7 at Tab 2; FJK000012 at Tab 4)

A Notice of Violation was issued to Fiske in 1999 for failure to submit a Discharge to Surface Water (DSW) permit application to the Bureau of Nonpoint Pollution Control. The violation notice reported that Fiske's industrial activity is in the proximity of storm drains which discharge to the Passaic River. (FJK000013 at Tab 5)

POTW (pretreatment):

No information is available at this time.

NEXUS TO LOWER PASSAIC RIVER STUDY AREA (describe in detail; cite to supporting documentation; date or time period of disposal; list CERCLA hazardous substances; and volume, if known):

Direct (e.g. pipe, outfall, spill):

Information is not available at this time.

Sanitary Sewer (provide name and location of CSO; details regarding CSO overflows and dates:

Information is not available at this time.

Storm Sewer (provide name and location of CSO; details regarding CSO overflows and dates):

1978 – 1979 The City of Newark identified oil and water discharge from Fiske as entering a stormwater inlet on Esther Street, which enters the Lister Avenue storm sewer and thence to the Passaic River via the Lockwood Street outfall. The City anticipated requiring Fiske to cease this discharge. (FJK000016, FJK000018, FJK000023-24, FJK000033-34 at Tab 7)

City inspectors further identified a black oily chemical discharge from Fiske's railroad siding as entering the stormwater inlet for the Lister Avenue storm sewer, which in turn discharges to the Passaic River. The

City anticipated requiring Fiske to cease this discharge and to prevent spills at the company's railroad siding. The City suspected that since Fiske received tank car deliveries along the subject railroad spur, chemicals may have been released when valves on the tank cars were not completely closed, causing chemicals to drip out. (FJK000016, FJK000018, FJK000022b, FJK000023-24, FJK000033-34 at Tab 7)

A cooling water discharge pipe from Fiske into the stormwater inlet at the southwest corner of Lockwood Street and Lister Avenue was identified by the City of Newark. The discharge was ultimately released into the Passaic River via the Lockwood Street outfall. (FJK000016, FJK000018, FJK000023-24 at Tab 7)

Runoff:

Information is not available at this time.

Groundwater:

Information is not available at this time.

POTENTIAL NEXUS TO LOWER PASSAIC RIVER STUDY AREA (describe in detail; cite to supporting documentation; list CERCLA hazardous substances; and volume, if known):

Direct (e.g. pipe, outfall, spill):

Information is not available at this time.

Sanitary Sewer (provide name and location of CSO; details regarding CSO overflows and dates):

Information is not available at this time:

Storm Sewer (provide name and location of CSO; details regarding CSO overflows and dates):

February 7, 1973 - Approximately 60-75 gallons of bright stock oil was released onto Esther Street as the result of a break in a hose coupling strap on a tank truck during a delivery to Fiske. Workers spread oil-dry over the area to prevent the oil from reaching the catch basin at Lister and Esther Streets. (FJK000095-96 at Tab 13)

Runoff:

Information is not available at this time.

Groundwater:

Information is not available at this time.